## **AMENDMENT IN THE CLAIMS**

Please cancel claims 21, 22, 25 and 26 without prejudice or disclaimer as to their subject matter and newly add claims 29-32 by this amendment as follows:

1. (Original) An inkjet printhead, comprising:

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- a base plate provided with a plurality of chambers to be filled with ink;
- a nozzle plate installed on the base plate and provided with orifices communicating with the respective chambers;
- a plurality of heaters for generating heat when respective currents are independently applied, and heating the ink in the respective chambers so that ink bubbles can be generated to eject respective ink droplets through the respective orifices; and
- a plurality of ink inlet passages for supplying ink from an ink reservoir to the respective chambers, wherein a plurality of grooves are formed at an inner wall of each of the ink inlet passages.
- 2. (Original) The inkjet printhead as claimed in claim 1, wherein the ink inlet passages are formed in the base plate.
- 3. (Original) The inkjet printhead as claimed in claim 1, wherein each of the heaters is installed on the outer side of the nozzle plate to heat the ink in the corresponding chamber indirectly via said nozzle plate by conduction.

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- 4. (Original) The printhead of claim 1, each one of said plurality of chambers being hemispherical.
- 5. (Original) The printhead of claim 1, each of said plurality of ink inlet passages extends through said base plate.
- 6. (Original) The printhead of claim 4, each one of said plurality of ink inlet passages extend through said base plate to a bottom of a respective one of said plurality of hemispherical chambers.
  - 7. (Original) An inkjet printhead, comprising:
  - a substrate provided with a plurality of chambers to be filled with ink;
- a nozzle plate installed on top of the substrate and provided with orifices communicating with the respective chambers;
- a plurality of heaters for generating heat when respective currents are independently applied, and heating the ink in the respective chambers so that ink bubbles can be generated to eject respective ink droplets through the respective orifices; and
- a plurality of ink inlet passages extending through said substrate from bottoms of respective ones of said plurality of chambers for supplying ink from an ink reservoir to the respective chambers, wherein a plurality of grooves are formed at an inner wall of each of the ink inlet passages.

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- 8. (Original) The printhead of claim 7, each of said plurality of chambers being hemispherical and being disposed at said top of said substrate, each of said plurality of ink inlet passages extending from bottoms of respective ones of said plurality of hemispherical ink chambers.
- 9. (Original) The printhead of claim 8, wherein each one of said plurality of heaters having a donut shape and encircling said orifices.
- 10.(Original) The printhead of claim 9, wherein said plurality of heaters are disposed on an underside of said nozzle plate and facing respective ones of said plurality of chambers.
- 11. (Original) The printhead of claim 9, wherein said plurality of heaters being disposed on a top side of said nozzle plate facing away from respective ones of said plurality of ink chambers and applying heat to ink in respective ones of said ink chambers by conduction of heat through said nozzle plate to said ink in said ink chambers.
  - 12. (Original) An inkjet printhead, comprising:
- a base plate being perforated by a plurality of hour-glass structures, a top portion of said hour glass portions being respective ones of a plurality of chambers to be filled with ink;
  - a nozzle plate installed on the base plate and perforated with a plurality of nozzle holes

communicating with the respective chambers;

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a plurality of heaters for generating heat when respective currents are independently applied, and heating the ink in the respective chambers so that ink bubbles can be generated to eject respective ink droplets through the respective nozzle holes; and

a plurality of ink inlet passages for supplying ink from an ink reservoir to the respective chambers, wherein a plurality of grooves are formed at an inner wall of each of the ink inlet passages.

- 13. (Original) The printhead of claim 12, a bottom of said hour glass portions being a plurality of funnels for drawing in ink to replenish respective ones of said ink chambers, said ink inlet passages connecting respective ones of said funnels with respective ones of said ink chambers and forming a middle portion of said hour-glass shaped perforations of said base plate.
- 14. (Original) The printhead of claim 12, each of said plurality of ink chambers being hemispherical and forming a top portion of said hour-glass perforation of said base plate.
- 15. (Original) The printhead of claim 12, each one of said plurality of heaters having a donut shape and encircling respective ones of said nozzle holes.
- 16. (Original) The printhead of claim 15, said plurality of heaters are disposed on an underside of said nozzle plate and facing respective ones of said plurality of chambers.

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17. (Original) The printhead of claim 15, said plurality of heaters being disposed on a top side of said nozzle plate facing away from respective ones of said plurality of ink chambers and applying heat to ink in respective ones of said ink chambers by conduction of heat through said nozzle plate to said ink in said ink chambers.

18. (Original) The printhead of claim 13, each one of said plurality of heaters having a donut shape and encircling respective ones of said nozzle holes.

19. (Original) The printhead of claim 18, said plurality of heaters are disposed on an underside of said nozzle plate and facing respective ones of said plurality of chambers.

20. (Original) The printhead of claim 18, said plurality of heaters being disposed on a top side of said nozzle plate facing away from respective ones of said plurality of ink chambers and applying heat to ink in respective ones of said ink chambers by conduction of heat through said nozzle plate to said ink in said ink chambers.

21.(Canceled)

22. (Canceled)

23. (Previously added) The printhead of claim 7, each of said plurality of ink inlet passages extend through said substrate, each of said plurality of ink inlet passages having an essentially circular cross-section, said plurality of grooves being disposed around an entire circumference of each inner wall of each of said plurality of ink inlet passages.

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24.(Previously added) The printhead of claim 7, said printhead being a bubble jet type ink jet printhead with said plurality of heaters forming said bubbles in respective chambers, said plurality of grooves extending through said substrate in said inner walls of each of said plurality of ink inlet passages.

- 25. (Canceled)
- 26. (Canceled)
- 27. (Previously added) The printhead of claim 12, said plurality of grooves being formed over an entire portion of said inner wall of each of said plurality of ink inlet passages.
- 28. (Previously added) The printhead of claim 7, said plurality of grooves being disposed on each inner wall in a direction parallel to a direction through said substrate.
  - 29. (New) The printhead of claim 1, each chamber being disposed between respective

ones of said ink inlet passages and respective ones of said orifices.

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- 30. (New) The printhead of claim 1, each ink inlet passage being directly connected to respective ones of said chambers.
- 31. (New) The printhead of claim 1, a volume of each ink inlet passage being significantly smaller than a volume of each one of said plurality of chambers.
- 32. (New) The printhead of claim 1, each ink inlet passage having a diameter that is much smaller than a diameter of each of said plurality of chambers.